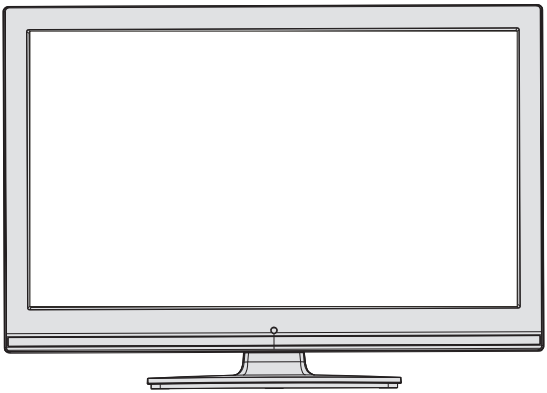
AIR22



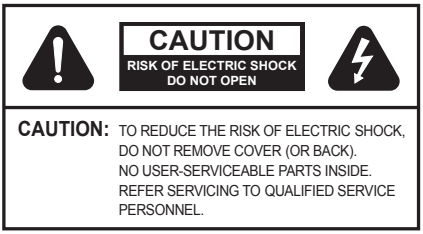
OPERATING INSTRUCTIONS
BEDIENUNGSANLEITUNG
MODE D'EMPLOI

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Contents

Safety Precautions 2
Environmental Information 3
TV - Features 4
Accessories included..... 4
Viewing the TV 4
TV Control button & Operation 5
DVD - Control buttons 5
Viewing remote control - TV 6
Viewing remote control - DVD 7
Using a Conditional Access Module 9
Standby Notifications..... 9
Inserting the Batteries to the Remote..... 10
Connect Power & Antenna/Cable..... 10
Switching On/Off..... 10
First Time Installation..... 10
Media Playback via USB Input 12
Changing Image Size: Picture Formats..... 12
Using the Channel List 13
Quick Menu 13
Menu Features and Functions..... 14
Menu Features and Functions..... 15
Menu Features and Functions..... 16
Electronic Programme Guide (EPG) 17
Digital Teletext 17
Using SatcoDX Feature..... 17
DVD MODE 17
How to watch a DVD 18
DVD Mode Configuration..... 19
Specifications 21
Software Upgrade..... 22
Troubleshooting & Tips..... 22
Licence Notifications..... 22
Appendix B: PC Input Typical Display Modes 23
Appendix C: Supported File Formats for USB Media Browser 24
Appendix D: Supported DVI Resolutions..... 25
Appendix E: SKY Remote Control Code 25
Appendix F: AV and HDMI Signal Compatibility (Input Signal Types)..... 26
DVD Mode Supported file formats..... 27
Compatible disc types 27
MOBILE TV INSTRUCTION MANUAL..... 28
Important Instruction..... 29

Safety Precautions


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock of persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Please read these instructions fully before installing or operating.

Preparation

Place the device on a solid even surface. For ventilation purposes, leave a free space of at least 10 cm all around the set. To prevent any fault and unsafe situations, do not place any objects on top of the set. Use this device in moderate climates. Operation temperature and operation humidity: 5ºC up to 45ºC, 85% rel. humidity max. (Note: Don’t block ventilation holes.).

Intended Use

This device is used to receive and display TV programmmes , as well as to play CDs and DVDs (see “This device compatible disc types”).The different connection options make an additional expansion of the reception and display sources possible (various external devices). This device is only suitable for the operation in dry interiors. This appliance is intended solely for private domestic use and may not be used for industrial and commercial purposes. We exclude liability in principle, if the device is not used as intended, or unauthorized modifications have been made. To operate your TV in extreme ambient conditions may cause damage of the device.

WARNING: Never let people (including children) with reduced physical, sensory or mental abilities or lack of experience and / or knowledge use electrical devices unsupervised.

Children may not recognize dangers of incorrect use! The swallowing of batteries can be fatal. Keep batteries always out of reach of small children. If a battery is swallowed, immediately seek medical attention. Keep the packaging films out of reach of children to prevent the risk of suffocation.

Power source

- Always use the provided AC adaptor.
- Operate only from the power source specified on the AC adaptor.
- The power adaptor may become hot during normal operation. This is not a malfunction.
- Please make sure that the adaptor is not covered while in operation. Leave a space of 15 cm (minimum) around the AC adaptor.
- The rating information and safety caution of the AC adaptor are provided on the adaptor.

***WARNING**: When the set is not in use for a long time, disconnect from the power.*

- ***Warning**: Do not leave your TV in standby or operating mode when you leave your house.*

Positioning the TV

- For ventilation, please leave a clear space of at least 10cm all around the TV.
- **Do not** block the ventilation openings.
- **Do not** place the TV on sloping or unstable surfaces, the TV may tip over.
- To prevent damage to the TV, **do not** place any objects on top of the TV.
- Only use the TV in moderate climates.

Power cord and plug

- The power cord plug should be easily accessible. If there is lightning or storms, or if the TV is not going to be used for a while (e.g. if going away on holiday), disconnect the TV set from the mains.
- The mains plug is used to disconnect TV set from the mains and therefore it must remain readily operable.
- **Do not** place the TV, furniture, etc. on the power cord or pinch the cord.
- Handle the power cord by the plug, **do not** unplug the TV by pulling the power cord.
- Never touch the power cord/plug with wet hands as this could cause a short circuit or electric shock.
- Never make a knot in the power cord or tie it with other cords.

- Power cords should be placed in such a way that they are not likely to be stepped on or provide a trip hazard.
- A damaged power cord/plug can cause fire or give you an electric shock. When damaged it must be replaced, this should only be done by qualified personnel.

Moisture and Water

- **Do not** use this TV in a humid or damp place (avoid using in the bathroom or near the kitchen sink).
- **Do not** expose this TV to rain or water, as this may be dangerous.
- **Do not** place objects filled with liquids, such as flower vases, on top of the TV. Avoid from dripping or splashing.
- If any solid object or liquid falls into the cabinet, unplug the TV and have it checked by qualified personnel before operating it any further.

Ventilation

- The slots and openings on the TV set are intended for ventilation and to ensure reliable operation.
- To prevent overheating, these openings must not be blocked or covered in anyway.

Heat sources and Flames

- **Do not** expose the TV to direct sunlight or other heat sources.
- The TV should not be placed near to open flames or sources of intense heat such as an electric heater.
- Ensure that no open flame sources, such as lit candles, are placed on top of the TV.

Headphone Volume

- Excessive sound pressure from earphones and headphones can cause hearing loss, please take care.

Wall Mounting (optional)

- To prevent injury, this TV must be securely attached to the wall in accordance with the installation instructions (if the option is available).

Screen

- Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green or red point. Please note that this does not affect the performance of your product.
- Take care not to scratch the screen with fingernails or other hard objects.

Cleaning

- Before cleaning, unplug the TV from the wall socket.
- **Do not** use liquid or aerosol cleaners. Only use a soft, dry cloth.

Servicing

- ⚠ ***Warning:*** Risk of exposure to radiation from class 1/class 3b visible and invisible laser beams. **Do not** open the TV and stare directly into beam.

CLASS 1
LASER PRODUCT

- ⚠ ***Warning:*** Risk of electric shock, **do not** attempt to repair, service or modify this TV yourself. Contact the manufacturer, their approved service agent

Environmental Information

This television is designed to consume less energy to help save environment. You can not only help to save the environment but you can also save money by reducing your electricity bills thanks to the energy efficiency feauture of this TV. To reduce energy consumption, you should take the following steps:

You can use the Power Save Mode setting, located in the Picture Settings menu. If you set the Power Save Mode as **Eco**, the TV will switch to energy-saving mode and the luminance level of TV set will be decreased to the optimum level. Note that some picture settings will be unavailable to be changed when the TV is in Power Save Mode.

If Picture Off is selected, "**Screen will be off in 15 seconds.**" message will be displayed on the screen. Select PROCEED and press OK to continue. The screen will be off in 15 seconds. If you disable Power Save Mode, Picture mode will be automatically set to Dynamic.

When the TV is not in use, please switch off or disconnect the TV from the mains plug. This will also reduce energy consumption.

Disconnect power when going away for longer time.

It is highly recommended that you activate the Power Save Mode setting to reduce your annual power consumption. And also it is recommended to disconnect the TV from the mains plug to save energy more when you do not use.

Please helps us to save environment by following these steps.

Repair Information

Please refer all servicing to qualified personnel. Only qualified personnel must repair the TV. Please contact your local dealer, where you have purchased this TV for further information.

TV - Features

- Remote controlled colour LED TV.
- Fully integrated digital/cable/satellite TV (DVB-T/C/S-S2).
- HDMI Inputs are for connecting a device that has a HDMI socket.
- USB input.
- 10000 programmes.
- OSD menu system.
- Scart socket for external devices (such as DVD Players, PVR, video games, etc.).
- Teletext.
- Headphone connection.
- Manual tuning.
- Automatic power down after up to six hours.
- Sleep timer.
- Child lock.
- Automatic sound mute when no transmission.
- NTSC playback.
- AVL (Automatic Volume Limiting).
- PC input.
- Plug&Play for Windows 98, ME, 2000, XP, Vista, Windows 7.
- Game Mode (optional).

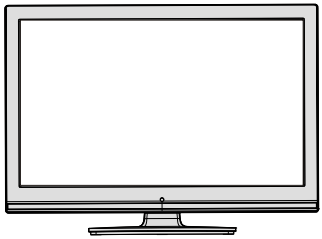
Accessories included

Remote Control
Batteries: 2 x AAA
Instruction Book
Side AV Connection Cable

DC 12 V Input_ power adaptor

.
Car plug

Viewing the TV



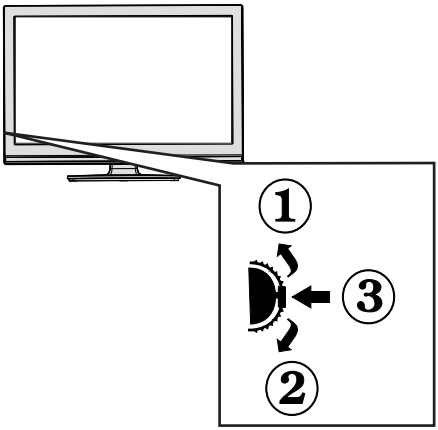
Menu Access

Press the **MENU** button on your remote control to display the main menu screen. Use the " 〈 " or " 〉 " buttons to select a menu tab and press the **OK** button to select option. Use the " 〈 " or " 〉 " or " ^ " or " v " buttons to select or set an item. Press **BACK** or **EXIT** or **MENU** button to quit a menu screen.

Input Selection

Once you have connected external systems to your TV, you can switch to different input sources. Press the (source) button on your remote control consecutively to select the different inputs.

TV Control button & Operation



The Control button allows you to control the Volume/ Programme/ Source and Standby-On functions of the TV.

To change volume: Increase the volume by pushing the button up. Decrease the volume by pushing the button down.

To change channel: Press the middle of the button, the channel information banner will appear on screen. Scroll through the stored channels by pushing the button up or down

To change source: Press the middle of the button twice, the source list will appear on screen. Scroll through the available sources by pushing the button up or down.

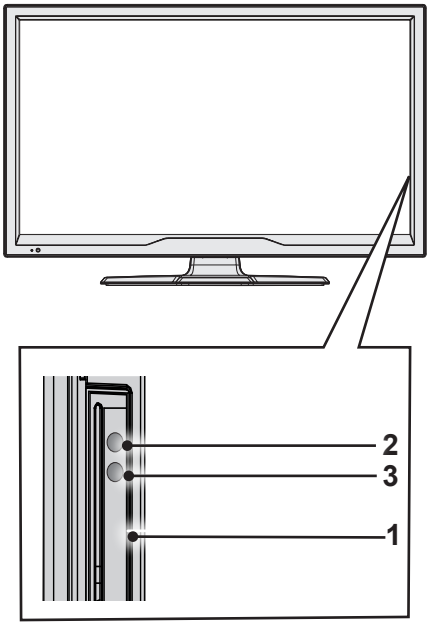
To turn the TV off: Press the middle of the button and hold it down for a few seconds, the TV will turn off into standby mode.

NOTE: You can move the switch, upward or downward to change the volume. If you want to change the channel, press the middle of the switch once (Position 3) and then move upward or downward. If you press the middle of the switch once more, the source OSD will be displayed. To select desired source, move the switch upward or downward and release. If you press the middle of the switch and hold for a few seconds, the TV will switch to standby mode. The Main menu OSD cannot be displayed via the control buttons on the TV.

DVD - Control buttons

1. Disc loader.
2. Play / Pause (▶ / ⏸) button
   Plays / pauses the disc. When DVD menu (root menu) is active, this button functions as “button select” (selects the highlighted item in menu) if this is not prohibited by the disc).
3. Stop / Eject (■ / ⏏) button.
   Stops the disc playing / Ejects or Loads the disc.

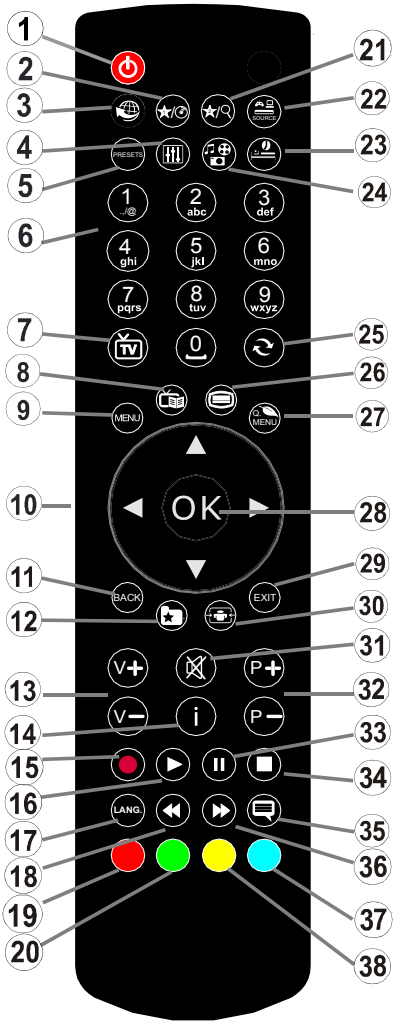
***NOTE**: You cannot eject the disc via the remote control. To eject while playing a file; you should press the STOP button “ ■ / ⏏” (on the TV) three times.*



Viewing remote control - TV

1. Standby
2. My button 1
3. No function
4. Equalizer settings mode
5. Picture mode selection
6. Numeric buttons
7. TV Button / Channel list
8. Electronic programme guide
9. Menu
10. Navigation buttons (Up/Down/Left/(Right-TXT Subpage)
11. Back
12. Favourites
13. Volume Up / Down
14. Info
15. No function
16. Play
17. Current language / Mono/Stereo - Dual I-II
18. Rapid reverse
19. Red button
20. Green button
21. My button 2
22. Source selection
23. Sleep timer
24. Media browser
25. Channel swap
26. Teletext
27. Q. Menu
28. OK / Select / Hold (in TXT mode) / Channel List (DTV mode)
29. Exit / Return / Index page (in TXT mode)
30. Image size
31. Mute
32. Program Up / Down
33. Pause
34. Stop
35. Subtitles
36. Rapid advance
37. Blue button
38. Yellow button

***NOTE**: The Remote Control range is approximately 7m / 23ft.*



Using My button 1 (*)

Press MY BUTTON 1 for five seconds when on a desired source, channel or link, until the “MY BUTTON IS SET” message is displayed on the screen. This confirms that the selected MY BUTTON is now associated with the selected function.

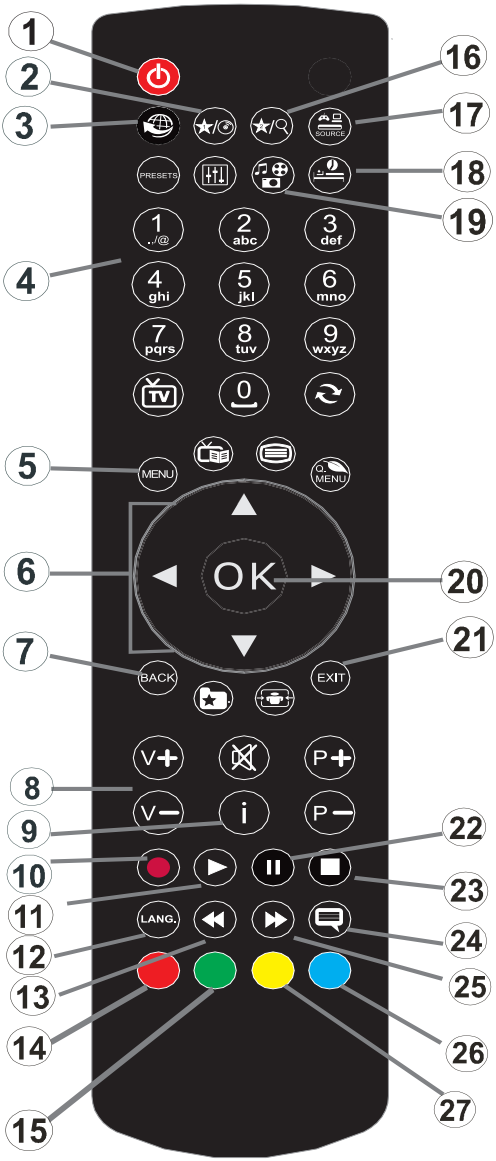
Using My Button 2 (**)

Press MY BUTTON 2 for five seconds when on a desired source, channel or link, until the “MY BUTTON IS SET” message is displayed on the screen. This confirms that the selected MY BUTTON is now associated with the selected function.

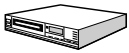
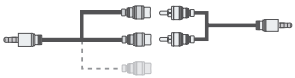
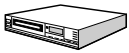
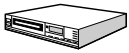
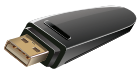
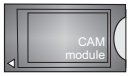
Viewing remote control - DVD

1. Standby
2. Display time / DVD Menu
3. No function (in DVD mode)
4. Numeric buttons
5. Menu
6. Navigation button
7. Back
8. Volume up / down
9. Info
10. No function
11. Play
12. No function
13. Rapid reverse
14. Zoom
15. Repeat
16. Search mode
17. Source selection
18. Sleep timer
19. Angle
20. OK
21. No function
22. Pause
23. Stop
24. Subtitle
25. Rapid advance
26. Title
27. Root

NOTE: *Remote Control buttons that are not indicated with a number cannot be used in DVD mode.*



Viewing the Connections

Connector	Type	Cables	Device
	Scart Connection (back)		
	VGA Connection (back)		
SIDE AV	**PC/YPbPr Audio Connection (side)**	 Side Audio/Video Connection Cable (Supplied) PC Audio Cable (Not supplied)	
	HDMI Connection (back)		
SPDIF	**SPDIFF Connection (back)**		
SIDE AV	**Side AV Connection (side)**	AV Connection Cable (supplied)	
HEADPHONE HEADPHONE	**Headphone Connection (side)**		
YPBPR	**YPbPr Video Connection (side)**	YPbPr Connection Cable (Not supplied)	
	USB Connection (side)		
	CI Connection (side)		

NOTE: When connecting a device via the Side AV input, you must use the supplied connection cables to enable connection. See the illustrations above. | YPbPr can be used only when you connect a device that has a YPbPr output through the PC input with YPbPr to PC cable (YPbPr to PC cable is not supplied). When the connection is made, switch to YPbPr source. To enable PC audio, you will need to use PC/YPBPR AUDIO CONNECTION WHITE & RED inputs. | If an external device is connected via the SCART socket, the TV will automatically switch to AV mode.| When receiving DTV channels (Mpeg4 H.264) or while in Media Browser mode, output will not be available via the scart socket. | When using the wall mounting kit (optional), we recommend that you plug all your cables into the back of the TV before mounting on the wall. | Insert or remove the CI module only when the TV is SWITCHED OFF. You should refer to the module instruction manual for details of the settings. Obtain the Conditional Access Module (CAM) and the viewing card by subscribing to Digiturk or D-Smart. Insert the CAM and then the viewing card to the slot that is located in the terminal cover at the rear side of the TV. The module should be correctly inserted, it is impossible to insert fully if reversed. The CAM or the TV terminal may be damaged if the CAM is forcefully inserted.

Using a Conditional Access Module

IMPORTANT: Insert or remove the CI module only when the TV is SWITCHED OFF.

In order to watch certain digital channels, a conditional access module (CAM) can be necessary. This module must be inserted in the CI slot of your TV.

1. Obtain the Conditional Access Module (CAM) and the viewing card by subscribing to a pay channel company, then insert those to the TV using the following procedure.

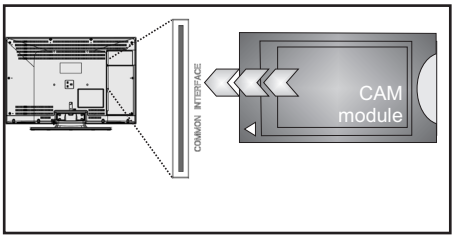
2. Insert the CAM and then the viewing card to the slot that is located in the terminal cover at the rear side of the TV.

3. The CAM should be correctly inserted, it is impossible to insert fully if reversed. The CAM or the TV terminal may be damaged if the CAM is forcefully inserted.

4. Connect the TV to the mains supply, switch on and then wait for few moments until the card is activated.

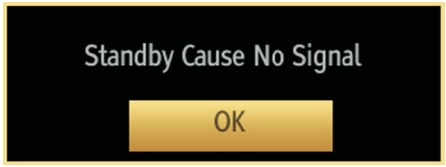
5. When no module is inserted, "**No Common Interface module detected**" message appears on the screen.

You can refer to the module instruction manual for details of the settings.



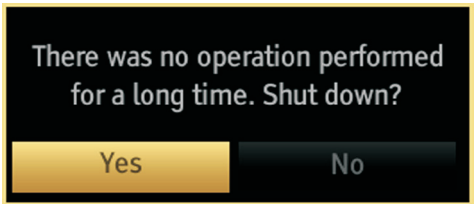
Standby Notifications

If the TV does not receive any input signal (e.g. from an aerial or HDMI source) for 5 minutes, the TV will go into standby. When you next switch-on, the following message will be displayed:

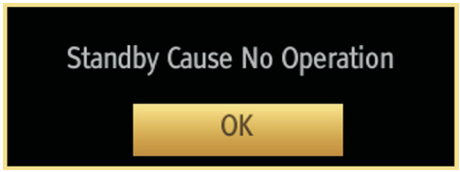


Press **OK** to continue.

When the Auto Tv Off timeout is reached, the following message will be displayed on the screen. Select YES to shut down the TV. Select NO to cancel. The TV will switch off as well, if you do not make a selection on this screen.



If the TV has been left on and not been operated for 4 hours, the TV will go into standby. When you next switch-on, the following message will be displayed.



Press **OK** to continue.

Inserting the Batteries to the Remote

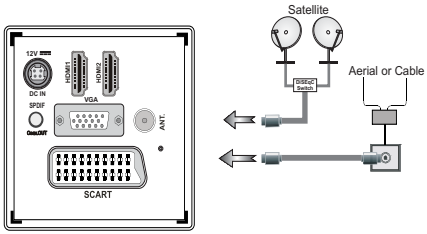
1. Lift the cover on the back of the remote upward gently.

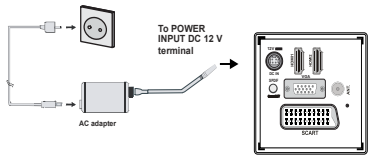
2. Install two AAA batteries. Make sure to match the + and - ends of the batteries in the battery compartment (observe the correct polarity.)

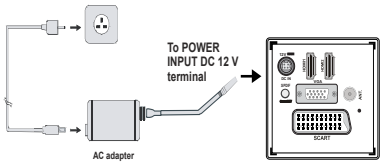
3. Replace the cover.

Connect Power & Antenna/Cable

***IMPORTANT**: The TV set is designed to operate on 12 V DC. For this, an adaptor is used which gives 12 V voltage. Connect this adaptor to a system that supplies 110-240V AC, 50/60Hz.* After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains.







Switching On/Off

To Switch the TV On

Connect the power cord to the 110-240V AC, 50/60Hz.

To switch on the TV from standby mode either:

Press the "⏻" button, **P+ / P-** or a numeric button on the remote control.

Press the control switch located on the left side of the TV. The TV will then switch on.

To Switch the TV Off

Press the "⏻" button on the remote control or press and hold the control switch on the TV until the TV shuts down, so the TV will switch to standby model (Depends on the model).

To power down the TV completely, unplug the power cord from the mains socket.

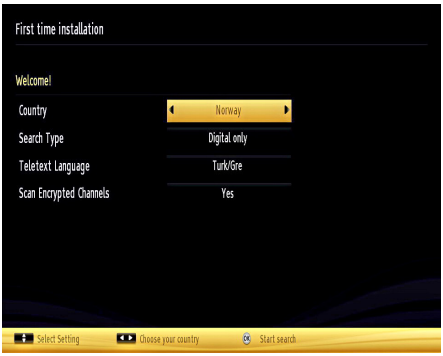
Note: When the TV is switched to standby mode, standby LED can blink to indicate that features such as Standby Search, Over Air Download or Timer is active. The LED can also blink when you switch on the TV from standby mode.

First Time Installation

When turned on for the first time, the "language selection" menu appears. The message "**Welcome please select your language!**" is displayed and all language options are listed alphabetically.

Welcome please select your language! English
Bienvenue ! Veuillez choisir une langue. Français
Willkommen, Wählen Sie bitte Ihre Sprache aus! Deutsch
Benvenuti, Selezionate la vostra lingua! Italiano
Bienvenido, seleccione un idioma Español
Hoş geldiniz, lütfen dil seçimini yapınız! Türkçe
Dobrodošli, izberite vaš jezik! Slovenski
Välkommen, välj ditt språk! Svenska
Üdvözöljük, kérjük válassza ki a nyelvet! Magyar
Bem-vindo, favor selecionar seu idioma Português
Tervetuloa, valitse kielesi! Suomi
Select Language
OK Set language

Press the "⌃" or "⌄" button to highlight the required language, press **OK** button to select. "First Time Installation" appears. Use "〈" or "〉" button to set the required country, and press "⌄" button to select Search Type. Use "〈" or "〉" to set the desired search type. Available search types are Digital and analog, digital only and analog only. When set, press "⌄" to select Teletext Language. Use "〈" or "〉" button to set the "Teletext Language" and select "Scan Encrypted" using "⌃" or "⌄" button. You can set **Scan Encrypted** as **Yes** if you want to scan coded stations.

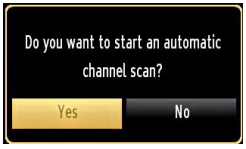


Press **OK** button on the remote control to continue and the following message will be displayed on the screen.

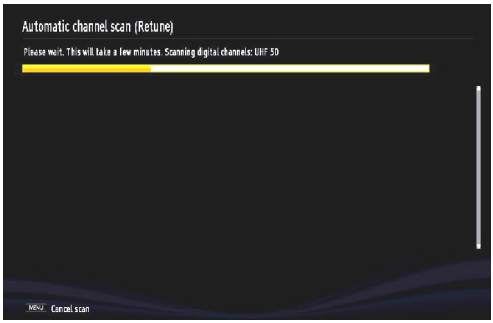
If the TV is to be used in a store, please select the Store Mode. For domestic use, Home Mode is recommended.
Home Mode
Store Mode

You can activate Store mode option by using "〈" or "〉" button. If Store Mode is selected, Store mode option will be available in other settings menu and your TV's features will be illustrated on the top of the screen. A confirmation screen will be displayed after selecting the Store Mode. Select **YES** to proceed.

If Home Mode is selected, Store mode will not be available after the First Time Installation. Press **OK** button on the remote control to continue and the following message will be displayed on the screen.



Select **Yes** and the television will search for digital terrestrial TV broadcasts.


Automatic channel scan (Retune)
Please wait. This will take a few minutes. Scanning digital channels: UHF 50
MENU Cancel scan

*NOTE: You can press **MENU** button to cancel.*

After all the available stations are stored, the Channel List will be displayed on the screen. If you are satisfied with the order of channels, press the **OK** button to quit the channel list and watch TV.

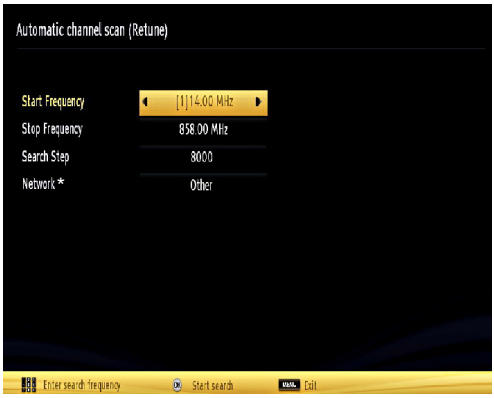
Press **OK** button to quit channel list and watch TV.

(*) LCN is the Logical Channel Number system that organizes available broadcasts in accordance with a recognizable channel sequence.

Cable Installation

If you select **CABLE** option and press **OK** button on the remote control to continue, the following message will be displayed on the screen:

To continue please select **YES** and press **OK**. To cancel operation, select **NO** and press **OK**.



You can select frequency ranges from this screen. For highlighting lines you see, use " ▲ " or " ▼ " button.

You can enter the frequency range manually by using the numeric buttons on the remote control.

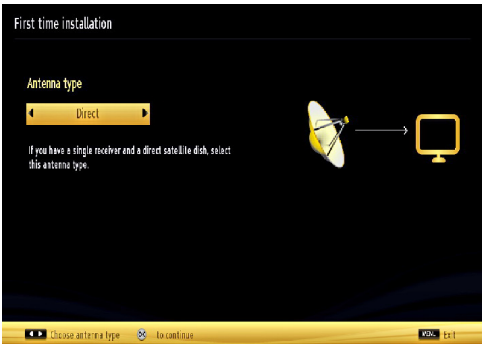
Set **Start** and **Stop Frequency** as desired by using numeric buttons on the remote control.

After this operation, you can set **Search Step** as 8000 KHz or 1000 KHz.

If you select 1000 KHz, the TV will perform search process in a detailed way. Searching duration will thus increase accordingly. When finished, press **OK** button to start automatic search. The TV will search and store available broadcasts.

Satellite Installation

If you select Normal, satellite configuration screen will be displayed. There are three types of antenna selection. You can select **Antenna type** as **Direct, Unicable** or **DiSEqC** switch by using "◀" or "▶" buttons.



Direct: If you have a single receiver and a direct satellite dish, select this antenna type. After selecting **Direct**, another menu screen will be displayed. Select an available satellite and press **OK** to scan for services.

Unicable: If you have multiple receivers and a unicable system, select this antenna type. Press **OK** to continue. Configure settings by following instructions on the screen. Press **OK** to scan for services.

DiSEqC switch: If you have multiple satellite dishes and a **DiSEqC switch**, select this antenna type. After selecting DiSEqC switch, another menu screen will be displayed. You can set four **DiSEqC** options (if available). Press **GREEN** button to scan all satellites or press **YELLOW** button to scan only the highlighted satellite. To save and exit press **OK** button.

Media Playback via USB Input

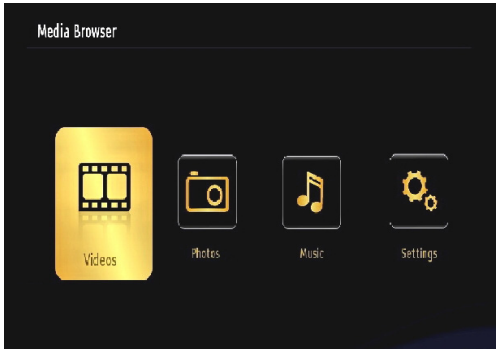
You can connect a USB hard disk drive or USB memory stick to your TV by using the USB inputs of the TV. This feature allows you to play files stored in a USB drive. 2.5" and 3.5" inch (hdd with external power supply) external hard disk drives are supported.

IMPORTANT! You should back up your files before making any connections to the TV set in order to avoid any possible data loss. The Manufacturer will not be responsible for any file damage or data loss. It is possible that certain types of USB devices (e.g. MP3 Players) or USB hard disk drives/memory sticks may not be compatible with this TV. The TV supports FAT32 and NTFS disk formatting but **recording will not be available with NTFS formatted disks**. Note: While formatting a USB hard disk that has 1TB (Tera Byte) or more file capacity, you can experience problems with the formatting process.

Quickly plugging and unplugging USB devices is a very hazardous operation. This may cause physical damage to the USB player and the USB device itself. Do not pull out the USB module while playing a file.

Media Browser Menu

You can play photo, music, and movie files stored on a USB disk by connecting it to your TV. Connect a USB disk to one of the USB inputs located on the side of the TV.



The USB selection OSD will be displayed on the screen. Press the MENU button and select the Media Browser tab by using the Left/Right and OK buttons. The Main media browser screen will be displayed. You can display the approprite content by selecting

the Video, Music or Picture tab. Follow the button indications under each on screen menu for media playback features.

Pressing the MENU button while in the Media Browser mode will access the Picture, Sound and Settings menu options. Pressing the MENU button again will exit from this screen.

You can set your Media Browser preferences by using the Settings menu.

Note: If two USB devices are connected to the TV at the same time, the first USB device connected to the TV will be named USB drive 1. Select the drive by using "^" or "v" buttons and press OK.

Changing Image Size: Picture Formats

Programmes can be watched in different picture formats, depending on the transmission received. You can change the aspect ratio (image size) of the TV for viewing the picture in different zoom modes. Press the button repeatedly to change the image size. You can shift the screen up or down by using "^" or "v" buttons while in, 14:9 Zoom, Cinema or Subtitle.

Using the Channel List

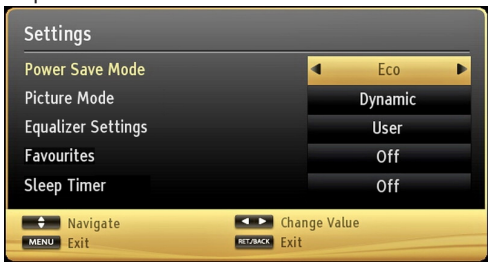
The TV sorts all stored stations in the Channel List. You can edit this channel list, set favourites or set active stations to be listed by using the Channel List options. Press **MENU** button to view main menu. Select Channel List item by using **Left** or **Right** button. Press **OK** to view menu contents. Select **Edit Channel List** to manage all stored channels. Use **Up** or **Down** and **OK** buttons to select **Edit Channel List**. Press the **Up** or **Down** button to select the channel that will be processed. Press the **Left** or **Right** button to select a function on the Channel List menu. Use **P+/P-** buttons to move page up or down. Press **MENU** button to exit.

Sorting Channel List

You can select which broadcasts will be listed in the channel list. To display specific types of broadcast, you should use the Active channel list setting. Select the Active channel list from the Channel list menu by using "^" or "v" button. Press the **OK** button to continue. You can select a network type option from the list by using "<" or ">" and **OK** buttons.

Quick Menu

The Quick Settings menu allows you to access some options quickly. This menu includes **Power Save Mode, Picture Mode, Equalizer Settings, Favourites** and **Sleep Timer** options. Press **Q.MENU** button on the remote control to view quick menu. See the following chapters for the details of the listed features.



Menu Features and Functions

Picture Menu Contents	
Mode	You can change the picture mode to suit your preference or requirements. The Picture mode can be set to one of these options: **Cinema**,**Game**, Sports, **Dynamic** and **Natural**.
Contrast	Sets the lightness and darkness values of the screen.
Brightness	Sets the brightness value for the screen.
Sharpness	Sets the sharpness value for the objects displayed on the screen.
Colour	Sets the colour value, adjusting the colors.
Power Save Mode	To set the Power Save Mode as **Eco, Picture Off or Disabled.** See the section, "Environmental Information" in this manual for further information on the Power Save Mode.
Backlight (optional)	This setting controls the backlight level and it can be set to **Auto**, **Low, Medium, High**. *The Backlight function will be inactive if the Power Save Mode is set to On. The Backlight cannot be activated in VGA, Media Browser mode or while the picture mode is set to Game.*
Noise Reduction	If the broadcast signal is weak and the picture is noisy, use the **Noise Reduction** setting to reduce the amount of noise. Noise Reduction can be set to one of these options: **Low**, **Medium**, **High** or **Off**.
Advanced Settings	
Dynamic Contrast	You can change the contrast rate by using the dynamic contrast function. Dynamic contrast can be set to one of these options: **Low**, **Medium**, **High** or **Off.**
Colour Temp	Sets the desired colour tone: **Normal, Warm or Cool.**
Picture Zoom	Sets the picture size to **Auto,16:9, Subtitle,14:9, 14:9 Zoom, 4:3 or Cinema.**
HDMI True Black	While watching from a HDMI source, this feature will be visible in the Picture Settings menu. You can use this feature to enhance the blackness in the picture.
Film Mode	Films are recorded at a different number of frames per second to normal television programmes. Turn this feature on when you are watching films to see the fast motion scenes clearly.
Skin Tone	Adjust the desired skin tone.
Colour Shift	Adjust the desired colour tone.
RGB Gain	Press **OK** button to edit RGB gain. You can configure the colour temperature values using the RGB Gain feature.
Auto Position (in PC mode)	Automatically optimizes the display. Press **OK** to optimize.
H Position (in PC mode)	This item shifts the image horizontally to the right hand side or left hand side of the screen.
V Position (in PC mode)	This item shifts the image vertically towards the top or bottom of the screen.
Dot Clock (in PC mode)	Dot Clock adjustments correct the interference that appear as vertical banding in dot intensive presentations like spreadsheets or paragraphs or text in smaller fonts.
Phase (in PC mode)	Depending on the resolution and scan frequency that you input to the TV set, you may see a hazy or noisy picture on the screen. In such a case you can use this item to get a clear picture by using trial and error.
Reset	Resets the picture settings to factory default.

While in VGA (PC) mode, some items in Picture menu will be unavailable. Instead, VGA mode settings will be added to the Picture Settings while in PC mode.

Menu Features and Functions

Sound Menu Contents	
Volume	Adjusts the volume level.
Equalizer:	In the equalizer menu, the preset can be changed to **Music**, **Movie**, **Speech**, **Flat**, **Classic** and **User**. Press the **MENU** button to return to the previous menu. *Equalizer menu settings can be changed manually only when the **Equalizer Mode** is in **User**.*
Balance	This setting is used for emphasizing left or right speaker balance.
Headphone/Lineout	When you connect an external amplifier to your TV using the headphone jack, you can select this option as Lineout. If you have connected headphones to the TV, set this option as Headphone.
Sound Mode	You can select Mono, Stereo, Dual I or Dual II mode, only if the selected channel supports that mode.
AVL	Automatic Volume Limiting (AVL) function sets the sound to obtain a fixed output level between programmes (For instance, volume level of advertisements tend to be louder than programmes).
Dynamic Bass	Enables or disables the Dynamic Bass.
Surround Sound (Optional)	Surround sound mode can be changed as On or Off.
Digital Out	Sets digital audio output type.
Install and Retune Menu Contents	
Automatic Channel Scan (Retune)	**Digital Aerial:** Searches and stores aerial DVB stations.
Manual Channel Scan	This feature can be used for direct broadcast entry.
First Time Installation	Deletes all stored channels and settings, resets TV to factory settings and starts first time installation. You can follow the instructions in the First Time Installations section for more information on this process.

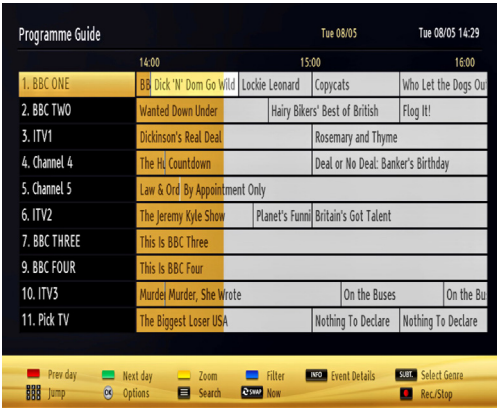
Settings Menu Contents	
Conditional Access	Controls conditional access modules when available.
Language	Configures language settings.
Parental	Enter correct password to change parental settings. You can easily adjust child lock and set new pin number in this menu. Once the child lock is activated, open browser app on the portal will be disabled, it can be enabled again by deactivating the child lock..
Timers	Sets timers for selected programmes.

Menu Features and Functions

Date/Time	Sets date and time. Note: * The TV takes the time info via the broadcast. Correct time will be available on Date/Time Settings, if the time info is provided in the broadcast. If the TV is in no channel mode, Date/Time settings can be changed. However, if there is a channel preset, only “Time Settings Mode” can be changed and if this is set to Manual, Time Zone will be enabled. * If the TV is switched to standby mode and switched on later and there is no broadcast available, time information will not be updated. If there is a present broadcast; however, time information will be taken via the broadcast. In other words, time information will be available according to these priorities: The TV first looks for the time info in the broadcast, then to the user preference, and lastly to the teletext time information.
Sources	Enables or disables selected source options.
Satellite Settings	Displays satellite settings.
Other Settings: Displays other setting options of the TV set:	
Menu Timeout	Changes timeout duration for menu screens.
Scan Encrypted	When this setting is on, the search process will locate encrypted channels as well. If it is set as Off, encrypted channels will not be located in automatic or manual searches.
Blue Background	Activates or deactivates the blue background system when the signal is weak or absent.
Software Upgrade	To ensure that your TV always has the most up to date firmware. Please ensure that the TV is set to standby mode with an aerial connected to pick up the over air download.
Application Version	Displays application version.
Hard of Hearing	Enables any special feature sent from the broadcaster.
Audio Description	Audio description refers to an additional narration track for blind and visually impaired viewers of visual media, including television and movies. You can use this feature, only if the broadcaster supports the additional narration track.
Auto TV Off	You can set the timeout value of the auto off feature. After the timeout value is reached and the TV has not been operated for a selected time, the TV will go into standby mode.
Standby Search (optional)	If you change Standby Search to Off, this function will be unavailable. To use Standby search please make sure that you select Standby Search as On. If the Standby Search is set to On, when the TV is in standby mode, available broadcasts will be searched. If the TV locates any new or missing broadcasts, a menu screen will be displayed, asking you whether or not to execute these changes. The Channel list will be updated and changed after this process. Please activate the Standby Search setting in order to enable your TV to automatically update the broadcast frequency of the broadcaster, broadcast definition and other similar changes.
Store Mode (Optional)	If you are displaying the TV in a store, you can activate this mode. Whilst Store Mode is enabled, some items in the TV menu may not be available.
Power Up Mode	Standby: The TV powers up into Standby mode when the TV is plugged into the mains. Last State: The TV powers up into On mode when the TV is plugged into the mains and the last channel/source is selected.
Biss Key	Biss is a satellite signal scrambling system that is used for some broadcasts. If you need to enter BISS key on a broadcast, you can use Biss Key setting located in the Other Settings menu. Highlight Biss Key and press OK to enter keys on the desired broadcast.

Electronic Programme Guide (EPG)

Some, but not all channels send information about the current and next programmes. Press the button to view the EPG menu.



Up/Down/Left/Right: Navigate EPG.

OK: Displays programme options.

i: Displays, in detail, information on the programme selected.

GREEN: Switches to List Schedule EPG.

YELLOW: Switches to Timeline Schedule EPG.

BLUE: Displays filtering options.

Programme Options

In the EPG menu, press the **OK** button to enter the ***Event Options*** menu.

Select Channel

In the EPG menu, using this option, you can switch to the selected channel.

Set Timer / Delete Timer

After you have selected a programme in the EPG menu, press the **OK** button and and the **Options** screen will be displayed. Select the "**Set Timer on Event**" option and press the **OK** button. You can set a timer for future programmes. To cancel an already set timer, highlight that programme and press the **OK** button. Then select "**Delete Timer**" option. The timer will be cancelled.

***Note**: It is not possible to record two channels at the same time.*

Digital Teletext

Press the "" button. The digital teletext information appears. Operate it with the coloured buttons, cursor buttons and the **OK** button.

The operation method may differ depending on the contents of the digital teletext. Follow the instructions displayed on digital teletext screen.

When the "" button is pressed again, the TV returns to television broadcast.

Using SatcoDX Feature

SatcoDX (optional): You can perform SatcoDX operations using the Satelite Settings. On SatcoDX menu, there are two options regarding to satcodx feature as in the following:

You can download or upload satcoDX data. In order to perform these functions supported for satcodx feature, a USB device must be connected to the TV in the first place.

You will be able to upload current services and related satellites & transponders in TV, to a USB device.

In addition to the uploading feature you will be able to download one of the satcodx files stored in USB device, to the TV.

When you select one of these satcodx files, all services and related satellites and transponders in the selected file will be stored in TV. If there are any installed terrestrial, cable and/or analog services, they will be kept and only satellite services will be removed.

Afterwards, check your antenna settings and make changes if necessary. An error message stating "No Signal" may be displayed if antenna settings are not configured properly.

DVD MODE

Handling Discs

- To keep the disc clean, only handle the disc by its edge. **Do not** touch the surface.
- **Do not** stick paper or tape on the disc.
- If the disc is contaminated with any substance like glue, remove before using it.
- **Do not** expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature can rise quickly and damage the disc.
- After playing, store the disc in its case.

Cleaning Discs

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the centre out.

• **Do not** use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

DVD - Features

- DVD / CD / CD-R / CD-RW / MP3 / JPEG / MPEG playback.
- NTSC / PAL playback (according to disc content).
- LPCM audio via coaxial and optical digital audio outputs (optional).
- Multi-Audio (up to 8) support (according to disc content).
- Multi-Subtitle (up to 32) support (according to disc content).
- Multi-Angle (up to 9) support (according to disc content).
- 8 level parental control.
- Fast forward and rewind - 5 different speeds: 2x, 4x, 8x, 16x, 32x.
- Slow motion playback - 4 different speeds: 1/2x, 1/4x, 1/8x, 1/16x forward.
- Frame by frame forward playback.
- Search Mode.
- Repeat.
- Coaxial audio output (optional).
- Copied disks may be incompatible.

How to watch a DVD

***NOTE**: DVD mode cannot be accessed unless a DVD is inserted or a DVD control button is pressed.*

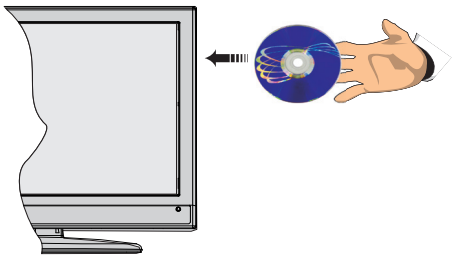
If you switch to another source by pressing SOURCE, " " or P+/P- buttons on the remote control, DVD playback will be paused automatically. You should press PLAY and resume the playback manually when you switch to DVD mode.

1. Switch on the TV.

2. Switch to DVD source using the "**SOURCE**" button on the remote control.

3. Insert a disc into the loader.

The disc MUST be facing you when looking at the TV screen.



Most discs will be automatically loaded and play will start automatically if the disc does not have any menus recorded on it.

If play does not start automatically, press the play button "▶" on the remote control, or the play button "▶ / ⏸" on the right side of the TV.

A menu may appear on the TV screen after a few moments or the film may start immediately after the Film/TV Company introduction. This will depend on the disc content and may differ on each disc.

***NOTE**: Steps 4 and 5 are only available when a menu is recorded on the disc.*

4. Press the navigation buttons "∧", "∨", "〈" or "〉" or the number button/s to select the required title.

5. Press the **OK** button. The selected item starts to play.

Notes on DVD Playback

a. No sound will be heard during Rapid advance or Rapid reverse.

b. No sound will be heard during Slow motion play.

c. Reverse Slow motion play is not available.

d. In some cases, the subtitle language will not be changed immediately to the selected one.

e. When the preferred language will not select, even after pressing the button several times, it means the language is not available on the disc.

f. When the DVD player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.

g. If a language is selected that is not supported by the disc, the subtitle language will automatically be set to the disc's priority (default) language.

h. Usually a 'circulation' will happen while switching to another language, this means you can cancel the subtitle by pressing the same button a number of times until "Subtitle Off" appears on the screen.

i. When the power is turned on or the disc is removed, the language heard will be the one selected at the initial settings.

j. Some DVDs may not contain root and/or title menus.

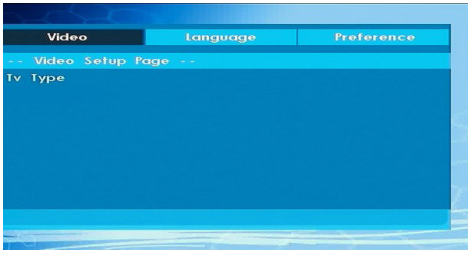
k. Reverse stepping is not available.

l. For reference: If you attempt to enter a number greater than the total time of the current title, the time search box disappears and "Input Invalid ⊘ " message appears on top-left corner of screen.

m. The slide show is disabled when the ZOOM mode is on.

DVD Mode Configuration

1. While in DVD source, press " " button to access DVD Setup menu. This is only possible if there is no playback.



2. This menu is operated using "〈" or " 〉" and " ^ " or " v " buttons.

TV Type

TV Type is only available as 'PAL'. The TV set also supports NTSC signal; however, the signal will be converted to PAL when it appears on the screen.

Language Setup

This menu is used for setting language preferences in DVD mode. Language menu contents are detailed below:

OSD LANG

You can select the default OSD language of the player menus

AUDIO

You can select the default audio language if supported by the DVD disc.

DISC MENU

You can select the DVD's disc menu language among these languages. Disc menu appears in the selected language, if supported by the DVD disc.

SUBTITLE

You can select the default subtitle language if supported by the DVD disc.

Preferences: These are the DVD mode preferences. Menu contents are detailed below:

DEFAULT

If you choose RESET and press SELECT, the factory-presets are loaded. Parental level and parental password does not change.

DOWNMIX

This mode can be selected when the digital audio output of the TV is used.

SURROUND

Surround sound output.

STEREO

Two channels stereo.

PARENTAL

Playing some DVDs can be limited depending on the age of users. The "Parental Control" function allows playback limitation level to be set by the parent. Parental Level can be adjusted to one of the eight levels. Level "8 ADULT" adjustment let you watch all of the DVD titles ignoring the DVD disc's parental level. You can watch the DVD discs, which has the same or lower parental level than the player's level only. Menu contents are detailed below:

PASSWORD

Using this item you can change the current password. To change the password you will be prompted to enter your old password. After you have entered your old password, you can now enter the new 4-digit password. You can use C key to delete the incorrect entry.

***NOTE**:* Factory preset of the password is "0000". You have to enter XXXX digital password every time you want to change the parental level. If you forget your password please contact technical service.

SPDIF OUTPUT

You can set Spdif Output as PCM or RAW. If you select PCM from SPDIF Output in DVD menu and play DVD with Dolby audio, you can get audio output with two channels via the speakers and the SPDIF Out. If you select RAW from SPDIF Output in DVD menu and play DVD with Dolby audio, speakers will be muted and you can get 5+1 Dolby audio via the SPDIF Out.

DVD Controls

You can operate DVD, movie CD, music or picture CD's content by using the correct buttons on your remote control. Below are main functions of commonly used remote control buttons.

Buttons	DVD Playback	Movie Playback	Picture Playback	Music Playback
▶	Play	Play	Play	Play
II	Pause	Pause	Pause	Pause
■	Stop	Stop	Stop	Stop
◀ / ▶	Skip backward/forward	Skip backward/forward	Rotate	Skip backward/forward
▼ / ▲	Highlights a menu item / Shifts the zoomed picture up or down (if available).			
◀◀ / ▶▶	Rapid advance / Rapid reverse			
	Views the scene from different angles (if available)		Changes slide effect (depends on the content)	X
	Displays time / Views main setup menu			
i	Time counter mode selection (during playback). Press repeatedly to switch between modes.			
LANG.	Auto language		X	X
MENU	Displays TV menu.			
OK/SELECT	Enter / View / Play			
GREEN BUTTON	Displays repeat options.			
RETURN	Returns back to the previous menu (if available).			
YELLOW BUTTON	Goes back to the root folder (if available).			
	Direct selection of scenes or time.		Selects the desired file.	Selects the desired file.
	Subtitle on-off. Press repeatedly to switch between subtitle options.		X	X
BLUE BUTTON	Displays disc menu (if available).	Displays disc menu (if available).	X	X
RED BUTTON	Zooms picture. Press repeatedly to switch between zoom options.			

Other Functions – Button Combinations (During playback)	
II + ▶▶	Slow forward
(II + ▶▶) + ◀◀ ▶▶	Sets slow forward speed
▶▶ + ▶▶	Sets rapid advance speed
◀◀ + ◀◀	Sets rapid reverse speed
■ + ■	Confirms stop command

Specifications

TV BROADCASTING

PAL/SECAM B/G D/K K' I/I' L/L'

DIGITAL RECEPTION

DVB-T MPEG2

DVB-T MPEG4 HD

DVB-T MHEG-5 Engine (for UK only)

DVB-C MPEG2

DVB-C MPEG4 HD

DVBT 2 MPEG2

DVBT 2 MPEG4 HD

DVB-S / S2 MPEG2

DVB-S / S2 MPEG4 HD

RECEIVING CHANNELS

VHF (BAND I/III)

UHF (BAND U)

HYPERBAND

NUMBER OF PRESET CHANNELS

10000

CHANNEL INDICATOR

On Screen Display

RF AERIAL INPUT

75 Ohm (unbalanced)

OPERATING VOLTAGE

110-240V AC, 50/60 Hz.

AUDIO

German + Nicam Stereo

AUDIO OUTPUT POWER ($W_{RMS.}$) (10% THD) 2 x 2,5

POWER CONSUMPTION (W) 47 W (max)

PANEL 16:9

Software Upgrade

Your TV is capable of finding and updating automatically via the Aerial signal or over the Internet.

Background search and upgrade mode

While the TV is connected to the Internet, if new software is found, it downloads the upgrades automatically when the TV next powers on from standby.

3.00am search and upgrade mode

While the TV is connected to an aerial signal. If **Automatic scanning** in the **Upgrade Options** menu is enabled, the TV wakes up at 03:00 and searches broadcast channels for new software upgrades. If new software is found and downloaded successfully, the next time the TV powers up , it will have the new software version.

Note. If the TV fails to come on after the upgrade unplug the TV for 2 minutes and plug in again.

Troubleshooting & Tips

No power

If your TV has no power, please check the power cord plug is connected to the mains power socket.

No picture

1. No Picture means that your TV is not receiving a transmission. Have you selected the correct button on the remote control? Try once more. Also make sure the correct input source has been selected.

2. Is the aerial connected properly?

3. Are the plugs connected to the aerial socket?

4. Is the aerial cable damaged?

5. Are suitable plugs used to connect the aerial?

6. If you are in doubt, consult your dealer.

No sound

1. Has the TV been set to mute? To cancel mute, press the "🔇" button, or increase the volume level.

2. Sound is coming from only one speaker. Is the balance set to one extreme? See Sound Menu section.

Remote control - does not operate

Your TV no longer responds to the remote control. The batteries may be exhausted, if so you may need to replace the old battieries.

Input sources - can not be selected

1. If you cannot select an input source, it is possible that no device is connected.

2. Check the AV cables and connections if you have tried to connect a device.

Licence Notifications

TRADEMARK ACKNOWLEDGMENT

Manufactured under license from Dolby Laboratories.

and the double-D symbol are trademarks of Dolby Laboratories.

DOLBY DIGITAL PLUS

"HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

Appendix B: PC Input Typical Display Modes

The display has a maximum resolution of 1920 x 1080. The following table is an illustration of some of the typical video display modes. Your TV may not support different resolutions. Supported resolution modes are listed below. If you switch your PC to an unsupported mode, a warning OSD will appear on the screen.

Index	Resolution	Frequency
1	640x400	70Hz
2	640x350	85Hz
3	640x400	85Hz
4	640x480	60Hz
5	640x480	66Hz
6	640x480	72Hz
7	640x480	75Hz
8	640x480	85Hz
9	800x600	56Hz
10	800x600	60Hz
11	800x600	70Hz
12	800x600	72Hz
13	800x600	75Hz
14	800x600	85Hz
15	832x624	75Hz
16	1024x768	60Hz
17	1024x768	66Hz
18	1024x768	70Hz
19	1024x768	72Hz
20	1024x768	75Hz
21	1024x768	85Hz
22	1152x864	60Hz
23	1152x864	70Hz
24	1152x864	75Hz
25	1152x864	85Hz
26	1152x870	75Hz
27	1280x768	60Hz
28	1360x768	60Hz
29	1280x768	75Hz
30	1280x768	85Hz
31	1280x960	60Hz
32	1280x960	75Hz
33	1280x960	85Hz
34	1280x1024	60Hz
35	1280x1024	75Hz
36	1280x1024	85Hz
37	1400x1050	60Hz
38	1400x1050	75Hz
39	1400x1050	85Hz
40	1440x900	60Hz
41	1440x900	75Hz
42	1600x1200	60Hz
43	1680x1050	60Hz
44	1920x1080	60Hz
45	1920x1200	60Hz

Appendix C: Supported File Formats for USB Media Browser

Media	Extension	Format		Notes
		Video	Audio	
Movie	dat, mpg, mpeg	Mpeg1,2	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM	1080P@ 30fps 50Mbit/ sec
	dat, mpg, mpeg	MPEG2 ,H.264, VC1, AVS, MVC	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM	H.264:1080Px2@25fps 1080P@ 50fps MVC: 1080P@ 24fps Other: 1080P@ 30fps" 50Mbit/ sec
	.vob	MPEG2	MPEG1/2 Layer 1/2/3, AC3, LPCM	1080P@ 30fps 50Mbit/ sec
	.mkv	MPEG1,2,4, XviD, H.264, VC1,WMV3, Motion JPEG	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM	H.264:1080Px2@25fps 1080P@ 50fps Other:1080P@ 30fps 50Mbit/sec
	.mp4 .mov		MPEG1/2 Layer 3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM	H.264: 1080Px2@25fps 1080P@ 50fps Other: 1080P@ 30fps 50Mbit/ sec
	.avi	MPEG1,2,4 Xvid H.264, VC1,WMV3, Sorenson H.263 Motion JPEG	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM, WMA	H.264: 1080Px2@25fps 1080P@ 50fps Other: 1080P@ 30fps" 50Mbit/sec
	flv	H.264, Sorenson H.263	MPEG1/2 Layer 3, AAC/HEAAC, LPCM/ADPCM	H.264: 1080Px2@25fps 1080P@ 50fps Other: 1080P@ 30fps" 50Mbit/ sec
	3gp,3g2	MPEG4, H.264		1920x1080 @ 30P 20Mbit/sec
	asf, wmv	MPEG2,4, XviD, H.264, VC1,WMV3	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM, WMA	1080P@ 30fps 50Mbit/ sec
Music	.mp3	-	MPEG1 Layer 1/2/3 (MP3)	
	.wav		LPCM	
	WMA/ASF		WMA, WMA Pro	
	.m4a/ .aac		AAC, HEAAC	
Photo	.jpg .jpeg	Baseline JPEG		MAX WxH = 14592x12288 Up to 8 MegaByte
	.png	Progressive JPEG		
	.bmp	non-interlace		
	.png	interlace		
Subtitle	sub	-	-	
	srt	-	-	

Appendix D: Supported DVI Resolutions

When connecting devices to your TV's connectors by using DVI converter cables (not supplied), you can refer to the following resolution information.

	56Hz	60Hz	66Hz	70Hz	72Hz	75Hz
640x400				☑		
640x480		☑	☑		☑	☑
800x600	☑	☑		☑	☑	☑
832x624						☑
1024x768		☑	☑	☑	☑	☑
1152x864		☑		☑		☑
1152x870						☑
1280x768		☑				
1360x768		☑				☑
1280x960		☑				☑
1280x1024		☑				☑
1400x1050		☑				☑
1440x900		☑				☑
1600x1200		☑				
1680x1050		☑				
1920x1080		☑				
1920x1200		☑				

Appendix E: SKY Remote Control Code

The Sky Code is 065:

1 Turn your TV on.

2 Press TV on your Sky remote control handset.

3 Hold down **SELECT** and the **RED** button together for about two seconds, until the red light on the Sky remote control blinks twice.

4 Key in 065. The light on the Sky remote control should blink twice.

5 Press the **STANDBY** button on your Sky remote control. If your TV switches off, press **SELECT**. The light on the Sky remote control blinks twice. Now try the other functions.

Appendix F: AV and HDMI Signal Compatibility (Input Signal Types)

Source	Supported Signals		Available
EXT-1 (SCART1)	PAL		O
	NTSC 60		O
	RGB 50/60		O
	SECAM		O
EXT-1 (SCART2)	PAL		O
	NTSC 60		O
	SECAM		O
Side AV	PAL 50/60		O
	NTSC 60		O
	SECAM		O
YPbPr	480I	60Hz	O
	480P	60Hz	O
	576I	50Hz	O
	576P	50Hz	O
	720P	50Hz	O
	720P	60Hz	O
	1080I	50Hz	O
	1080I	60Hz	O
HDMI1 HDMI2	480I	60Hz	O
	480P	60Hz	O
	576I	50Hz	O
	576P	50Hz	O
	720P	50Hz	O
	720P	60Hz	O
	1080I	50Hz	O
	1080I	60Hz	O
	1080P	24Hz 25Hz 30Hz 50Hz 60Hz	O

(X: Not Available, O: Available)

In some cases a signal on the LED TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc.). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.

DVD Mode Supported file formats

Media	File Extension	Format		Supported (Maximum resolution/Bit rate etc.)
		Video	Audio	
Movie	.mpg/.dat/. vob	MPEG1	MPEG Layer 1/2/3	
		MPEG2	MPEG2	
	.avi	XviD/3ivx	PCM/MP3	XviD Version up to:1.1.2
		MPEG4	PCM/MP3	
		MS ISO MPEG4	PCM/MP3	Support SP and ASP
Music	-	-	PCM	Sample Rate: 8K ~ 48KHz
	.mp3	-	MPEG 1/2 Layer 1/2/3 MP3	Sample Rate: 8K ~ 48KHz, Bit Rate: 64K ~ 320Kbps
Photo	.jpg	Baseline JPEG		W x H = 8902 x 8902 up to 77 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
		Progressive JPEG		Up to 4 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
External Subtitles	.srt			Support Text File Format, but do not support Picture File Format
	.smi			
	.sub			
	.ssa			
	.ass			

Compatible disc types

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD VIDEO	Audio + Video	12 cm	Single-sided; 240 min. Double-sided; 480 min.	• DVD contains excellent sound and video due to Dolby Digital and MPEG-2 System. • Various screen and audio functions can be easily selected through the on screen menu.
AUDIO-CD COMPACT disc DIGITAL AUDIO	Audio	12 cm	74 min.	• An LP is recorded as an analog signal with more distortion. CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
MP3-CD MP3 READABLE	Audio (xxxx.mp3)	12 cm	It depends on MP3 quality.	• MP3 is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
PICTURE-CD JPEG READABLE	Video (still picture)	12 cm	It depends on JPEG quality.	• JPEG is recorded as a Digital Signal with better picture quality over time.

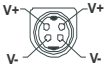
For proper operation, only 12 cm discs must be used.

Switching the TV On Using 12 Volt

1. Connect the cigarette lighter plug cable to the cigarette lighter socket of your car.
2. Plug the other side of 12 volt cable to DC 12 socket at the back of the TV. Then the standby LED lights up.
3. Press the "⏻" button, **P+** or **P-** or a numeric button on the remote control or press the control switch left side of the TV. The TV will then switch on.
4. Adjust for best picture through antenna position or set TV channels again if necessary.

Switching the TV Off

1. Press the "⏻" button on the remote control or hold the control switch on the TV until it shuts down , so the TV will switch to standby mode.
2. Unplug cable connectors and power plugs.

ATTENTION: 12 V Input : 

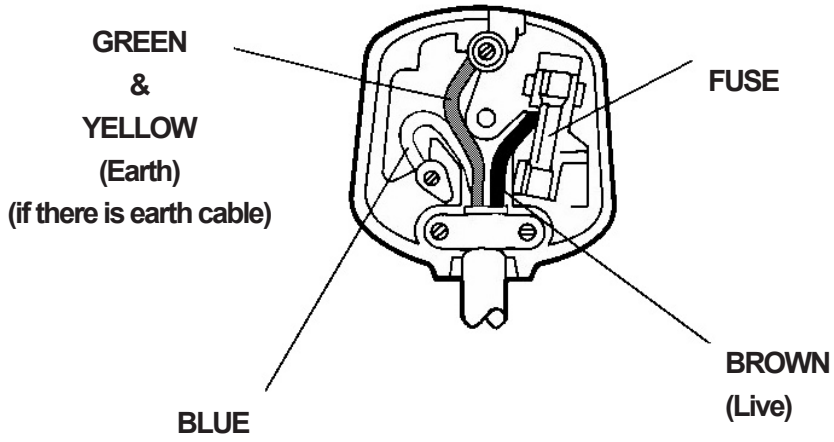
.

Important Instruction

For your own safety read following instruction carefully before attempting to connect this unit to the mains supply.

MAINS (AC) OPERATION

The wires in the mains lead are coloured in accordance with the following code :



IMPORTANT

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured green and yellow must be connected to the terminal which is marked with the letter E, or by the earth symbol, or coloured green or green and yellow.

The wire which is coloured blue or black must be connected to the terminal which is marked with the letter N or coloured Black.

The wire which is coloured brown or red must be connected to the terminal which is marked with the letter L or coloured Red.

For continued protection against risk of fire, replace only with same type and rating of fuse (ASTA approved 5A 250VAC fuse).

CAUTION

TO PREVENT ELECTRIC SHOCK DISCONNECT FROM THE MAINS BEFORE REMOVING COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

SAFETY PRECAUTION

THIS EQUIPMENT MUST BE DISCONNECTED FROM THE MAINS WHEN NOT IN USE. DO NOT ALLOW THIS UNIT TO BE EXPOSED TO RAIN OR MOISTURE.

A	**Product Fiche**		
B	**Comercial Brand: AIR**		
C	**Product No.**	10086009	
D	**Model No.**	AIR22	
E	**Energy efficiency class**	A	
F	**Visible screen size (diagonal, approx.) (inch/cm)**	22 inches	56 cm
G	**On mode average power consumption (Watt)**	22	
H	**Annual energy consumption (kWh/annum)**	32	
I	**Standby power consumption (Watt)**	1	
J	**Off mode power consumption (Watt)**	0	
K	**Display resolution (px)**	1920 x 1080	

Performance Products Ltd
Cleaver House Sarus Court,
Manor Park
RUNCORN
Cheshire
WA7 1UL